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NEWS.

PROFESSOR MAXIME CORNU, of the Jardin des Plantes, Paris, died on April 3, in the fifty-ninth year of his age.

DR. DUNCAN S. JOHNSON, associate in botany at Johns Hopkins University, has been promoted to an associate professorship.

DR. ALEXANDER P. ANDERSON *has been appointed assistant in botany* in Columbia University to succeed Dr. M. A. Howe. Dr. Anderson will also carry on physiological studies at the New York Botanical Garden.

MR. GEORGE P. CLINTON, of the botanical department of the University of Illinois, spent last year at Harvard University on leave of absence. His leave has been extended for another year. He is at work upon the Ustilagineae.

DR. MARSHALL A. HOWE has been appointed assistant in the New York Botanical Garden and will devote himself especially to the study of the red algae. He is spending the summer in the eastern provinces of Nova Scotia, Cape Breton, and Newfoundland.

FROM *Science* we learn that Dr. H. W. Harkness, well known as a botanist of the Pacific coast, and especially for his recent studies on the Tuberales, died in San Francisco on May 10. His collections become the property of the California Academy of Sciences.

DR. F. L. STEVENS, who has spent the past year in Europe as an honorary fellow of the University of Chicago, has been appointed instructor in biology at the College of Agriculture and Mechanic Arts, Raleigh, North Carolina. He will have entire charge of the newly-established department.

DR. L. M. UNDERWOOD spent the months of June and July in botanical exploration in Porto Rico in connection with a party from the Department of Agriculture at Washington, consisting of O. F. Cook, special agent for tropical agriculture, Guy N. Collins, plant photographer, and Robert F. Griggs, botanical collector.

MR. H. HASSELBRING, a graduate of Cornell University and later assistant in botany at the New York Agricultural Experiment Station, Geneva, has been appointed assistant in botany in the Agricultural Experiment Station of the University of Illinois. Mr. Hasselbring will devote his attention chiefly to plant pathology.

CHARLES F. HOTTES, Ph.D., formerly an assistant in the botanical laboratory of the University of Illinois, has just returned from three years study

at the University of Bonn. He is now promoted to an instructorship in botany, and is given charge of vegetable physiology. While abroad he gave chief attention to plant physiology and cytology. Some researches will be published shortly.

THE OPENING of the Minnesota Seaside Station at Point Renfrew, Vancouver island, took place June 21. Thirty students are in attendance. Evening lectures have been given by Miss Eloise Butler, of Minneapolis, Mr. K. Yendo, of the University of Tokio, Professor Conway MacMillan and Mr. Harold Lyon, of the University of Minnesota, and Professor Francis Ramaley, of the University of Colorado. The shore is exceedingly rich both in fauna and flora, and large collections are being made by some members of the party.

IN THE department of botany of the University of California Dr. W. J. V. Osterhout has been promoted to an assistant professorship. Professor W. L. Jepson is this summer exploring the western portion of the Colorado desert about San Jacinto mountain, in company with Mr. H. M. Hall, assistant in the herbarium. They will also make an exploration in Humboldt and Del Norte counties. Mr. N. L. Gardner, assistant, is making further studies of the algae of the Puget sound region. Dr. W. A. Setchell is at Pacific Grove, California, investigating the ecology and zonal distribution of the marine algae.

BOTANISTS will be interested in the organization of the new Bureau of Plant Industry of United States Department of Agriculture. The old divisional lines have been eliminated and instead the work has been divided into various related groups, as follows: Vegetable pathological and physiological investigations; Botanical investigations and experiments: Pomological investigations; Grass and forage plant investigations; Experimental gardens and grounds; Arlington experimental farm; Congressional seed distribution; Seed and plant introduction; and Tea culture experiments. The executive officers of the bureau are:

Beverly T. Galloway, physiologist and pathologist, and chief of bureau.

Albert F. Woods, pathologist and physiologist in charge of vegetable pathological and physiological investigations, and acting chief of the bureau in the absence of the chief.

Frederick V. Coville, botanist, in charge of botanical investigations and experiments.

F. Lamson-Scribner, agrostologist, in charge of grass and forage plant investigations.

Gustavus B. Brackett, pomologist, in charge of pomological investigations.

The pathological investigations are conducted by the following staff: Erwin F. Smith, pathologist, in charge of laboratory of plant pathology; Walter T. Swingle, physiologist, in charge of laboratory of plant physiology;

Herbert J. Webber, physiologist, in charge of laboratory of plant breeding ; Newton B. Pierce, pathologist, in charge of Pacific coast laboratory; Hermann von Schrenk, special agent, in charge of Mississippi valley laboratory; Peter H. Rolfs, pathologist, in charge of tropical laboratory; Merton B. Waite, assistant pathologist, diseases of orchard fruits; Mark Alfred Carleton, cerealist; C. O. Townsend, pathologist; George T. Moore, physiologist; B. M. Duggar, physiologist; Rodney H. True, physiologist; William A. Orton, assistant pathologist; Joseph H. Chamberlain, expert in physiological chemistry; Thomas H. Kearney, assistant physiologist; Cornelius F. Shear, assistant pathologist; Flora W. Patterson, mycologist.

The botanical investigations and experiments are conducted by the following staff: O. F. Cook, botanist, in charge of tropical agriculture; A. J. Pieters, botanist, in charge of seed testing laboratory; V. K. Chestnut, botanist, in charge of investigations of poisonous weeds; Lyster F. Dewey, assistant botanist; Carl S. Schofield, expert on cereals.

The following have charge of the grass and forage plant investigations: A. S. Hitchcock, assistant agrostologist, in charge of field work; David Griffiths, assistant agrostologist, in charge of field management; Elmer D. Merrill, assistant agrostologist, in charge of collections; C. R. Ball, assistant agrostologist.

The officers of the pomological investigations are: William A. Taylor, pomologist, in charge of field investigations; H. P. Gould, pomologist, in charge of fruit district investigations; George C. Husmann, expert, in charge of grape investigations.

The following branches are conducted under the direction of the chief of the bureau, but the officers directly in charge are given under each branch:

Experimental Gardens and Grounds: L. C. Corbett, horticulturist; E. M. Byrnes, head gardener; George W. Oliver, expert plant propagator.

Congressional Seed Distribution: Robert J. Whittleton, superintendent of weighing and mailing section; James Morrison, superintendent of records.

Seed and Plant Introduction: Ernst A. Bessey, assistant in charge; David G. Fairchild, permanent agricultural explorer.

Arlington Experimental Farm: L. C. Corbett, horticulturist, in charge.

Tea Culture Experiments: Dr. Charles U. Shepard, in charge.